

**WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS PATENT  
OF THE UNITED STATES IS:**

1. An inkjet ink comprising:

water;

5 a particulate pigment;

a dispersant; and

an emulsion,

wherein the particulate pigment has an average particle  
diameter (D50) not greater than 100 nm, and a standard deviation  
10 of particle diameter distribution of the particulate pigment  
is less than one half of the average particle diameter (D50).

2. The inkjet ink according to Claim 1, wherein the  
emulsion is included in the inkjet ink in an amount of from 1  
15 to 20 % by weight based on total weight of the inkjet ink.

3. The inkjet ink according to Claim 1, wherein the  
emulsion comprises at least one of polyurethane emulsions and  
silicone emulsions.

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4. The inkjet ink according to Claim 3, wherein the  
emulsion is a polyurethane emulsion, and wherein a content of  
the polyurethane emulsion is from 0.1 to 20 % by weight based  
on total weight of the inkjet ink.

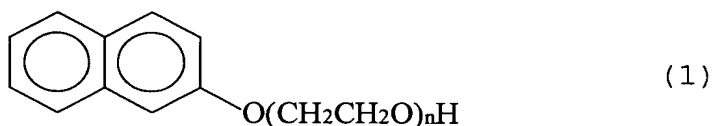
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5. The inkjet ink according to Claim 3, wherein the  
emulsion is a silicone oil emulsion having an average particle

diameter greater than the average particle diameter (D50) of the particulate pigment.

6. The inkjet ink according to Claim 1, wherein the  
5 dispersant is included in the inkjet ink in an amount of from 0.3 to 2 parts by weight per 1 part by weight of the particulate pigment.

7. The inkjet ink according to Claim 1, wherein the  
10 dispersant comprises a compound having the following formula (1):



15 wherein n is an integer of from 20 to 100.

8. The inkjet ink according to Claim 7, wherein the dispersant comprises polyoxyethylene (n=40)  $\beta$ -naphthyl ether.

20 9. The inkjet ink according to Claim 1, wherein the particulate pigment is selected from the group consisting of self-dispersion pigments and microencapsulated pigments.

10. The inkjet ink according to Claim 1, wherein the  
25 particulate pigment is selected from the group consisting of carbon black; Pigment Red 5, 7, 12, 48 (Ca), 48 (Mn), 57 (Ca), 57:1, 112, 122, 123, 146, 168, 176, 184, 185 and 202, and Pigment

Violet 19; Pigment Blue 1, 2, 3, 15, 15:3, 15:4, 16, 22, 60, 63 and 66; and Pigment Yellow 1, 2, 3, 12, 13, 14, 16, 17, 73, 74, 75, 83, 93, 95, 97, 98, 114, 120, 128, 129, 138, 150, 151, 154, 155, 174 and 180.

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11. An ink cartridge comprising:

a container; and

the inkjet ink according to Claim 1 which is contained in the container.

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12. The ink cartridge according to Claim 11, further comprising:

a recording head having a nozzle from which the inkjet ink is discharged.

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13. An inkjet recording apparatus comprising:

the ink cartridge according to Claim 12; and

a carriage configured to carry the ink cartridge to form an image on a recording paper.

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14. An inkjet recording method comprising:

discharging the inkjet ink according to Claim 1 from a nozzle of a recording head to form an image on a recording paper.

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15. An image formed on a recording material in accordance with the inkjet recording method of Claim 14.